

WEST POINT FOUNDRY ARCHEOLOGICAL SITE

United States Department of the Interior, National Park Service

Images

National Historic Landmarks Nomination Form

Photograph Information**List of Photographs and Photograph Identification Information**

Name of Property: West Point Foundry Archeological Site (NYS OPRHP Site #: 07942.00001)
 County and State: Putnam County, New York
 Names of Photographers: Donald Burden, T. Arron Kotlensky, Eric Metzger
 Photograph Dates: 2005–2017
 Locations of Photographs: 18 total: (16) Cold Spring, New York; (1) Boston, Massachusetts; (1) Pittsburgh, Pennsylvania

Photograph Number	Description of Photograph	Camera Angle
1	Overview of the boring mill area in June 2012, with the waterwheel pit visible in the center to center-left.	NE
2	View of the downstream face of the Upper Dam across Foundry Brook.	N
3	View of the downstream face of the Lower, or Main Dam across Foundry Brook, beneath the present NY State Route 9D two-lane bridge.	NE
4	View of the southeast corner of Battery Pond.	NW
5	View of the blast furnace area and surviving brick-lined west arch.	SW
6	Field personnel completing excavation of a brick machine pad in the boring mill area in 2012.	SW
7	Photograph of excavation in 2012 of the junction between the ca. 1839 machine shop addition and later 1853–1867 machine shop addition.	SW
8	Existing conditions of the interior of the blacksmith shop area depicted in <i>Forging the Shaft</i> (see Figure 21).	N
9	Surviving northern elevation of the ca. 1853 pattern shop.	S
10	Detail of machine tie rods and surviving timbers set within the machine shop area.	NW
11	Overview of the moulding shop area.	NE
12	Overview of the Rascal Hill domestic area.	W
13	Overview of the Vinegar Hill domestic area.	S
14	Overview of the East Bank House foundation depression.	S
15	Overview of existing conditions at the site of the former Fort Pitt Foundry in Pittsburgh, Pennsylvania.	W
16	Overview of existing conditions at the site of the former South Boston Iron Company in Boston, Massachusetts.	NE
17	The 1865 Office Building, built by the West Point Foundry at the close of the Civil War.	SE
18	View from Foundry Dock Park towards Crow's Nest, on the opposite (west) side of the Hudson River.	W

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Photograph Log

Photo 0001: Overview of the boring mill area

Name of Property: West Point Foundry Archeological Site (07942.00001)

County and State: Putnam County, New York

Name of Photographer: T. Arron Kotlensky

Photograph Date: July 10, 2012

Location of Original Photograph: Scenic Hudson Land Trust, Inc., Poughkeepsie, New York

Image File Name: NY_Putnam County_WPFAS_001.tif

Photo 0002: Downstream face of the Upper Dam across Foundry Brook

Name of Property: West Point Foundry Archeological Site (07942.00001)

County and State: Putnam County, New York

Name of Photographer: T. Arron Kotlensky

Photograph Date: November 14, 2016

Location of Original Photograph: Scenic Hudson Land Trust, Inc., Poughkeepsie, New York

Image File Name: NY_Putnam County_WPFAS_002.tif

Photo 0003: Downstream face of the Lower, or Main Dam across Foundry Brook

Name of Property: West Point Foundry Archeological Site (07942.00001)

County and State: Putnam County, New York

Name of Photographer: T. Arron Kotlensky

Photograph Date: November 14, 2016

Location of Original Photograph: Scenic Hudson Land Trust, Inc., Poughkeepsie, New York

Image File Name: NY_Putnam County_WPFAS_003.tif

Photo 0004: Southeast corner of Battery Pond

Name of Property: West Point Foundry Archeological Site (07942.00001)

County and State: Putnam County, New York

Name of Photographer: T. Arron Kotlensky

Photograph Date: November 14, 2016

Location of Original Photograph: Scenic Hudson Land Trust, Inc., Poughkeepsie, New York

Image File Name: NY_Putnam County_WPFAS_004.tif

Photo 0005: Blast furnace area and surviving brick-lined west arch

Name of Property: West Point Foundry Archeological Site (07942.00001)

County and State: Putnam County, New York

Name of Photographer: T. Arron Kotlensky

Photograph Date: July 15, 2005

Location of Original Photograph: Scenic Hudson Land Trust, Inc., Poughkeepsie, New York

Image File Name: NY_Putnam County_WPFAS_005.tif

Photo 0006: Excavation of a brick machine pad in the boring mill area

Name of Property: West Point Foundry Archeological Site (07942.00001)

County and State: Putnam County, New York

Name of Photographer: T. Arron Kotlensky

Photograph Date: August 19, 2012

Location of Original Photograph: Scenic Hudson Land Trust, Inc., Poughkeepsie, New York

Image File Name: NY_Putnam County_WPFAS_006.tif

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Photo 0007: Excavation of the junction between the ca. 1839 machine shop addition and later 1853-1867 machine shop addition

Name of Property: West Point Foundry Archeological Site (07942.00001)

County and State: Putnam County, New York

Name of Photographer: T. Arron Kotlensky

Photograph Date: October 3, 2012

Location of Original Photograph: Scenic Hudson Land Trust, Inc., Poughkeepsie, New York

Image File Name: NY_Putnam County_WPFAS_007.tif

Photo 0008: Existing conditions of the interior of the blacksmith shop area depicted in *Forging the Shaft*

Name of Property: West Point Foundry Archeological Site (07942.00001)

County and State: Putnam County, New York

Name of Photographer: Donald Burden

Photograph Date: November 14, 2016

Location of Original Photograph: Scenic Hudson Land Trust, Inc., Poughkeepsie, New York

Image File Name: NY_Putnam County_WPFAS_008.tif

Photo 0009: Surviving northern elevation of the ca. 1853 pattern shop

Name of Property: West Point Foundry Archeological Site (07942.00001)

County and State: Putnam County, New York

Name of Photographer: T. Arron Kotlensky

Photograph Date: November 14, 2016

Location of Original Photograph: Scenic Hudson Land Trust, Inc., Poughkeepsie, New York

Image File Name: NY_Putnam County_WPFAS_009.tif

Photo 0010: Detail of machine tie rods and surviving timbers set within the machine shop area

Name of Property: West Point Foundry Archeological Site (07942.00001)

County and State: Putnam County, New York

Name of Photographer: T. Arron Kotlensky

Photograph Date: November 2, 2012

Location of Original Photograph: Scenic Hudson Land Trust, Inc., Poughkeepsie, New York

Image File Name: NY_Putnam County_WPFAS_0010.tif

Photo 0011: Overview of the moulding shop area

Name of Property: West Point Foundry Archeological Site (07942.00001)

County and State: Putnam County, New York

Name of Photographer: Donald Burden

Photograph Date: November 14, 2016

Location of Original Photograph: Scenic Hudson Land Trust, Inc., Poughkeepsie, New York

Image File Name: NY_Putnam County_WPFAS_0011.tif

Photo 0012: Overview of the Rascal Hill domestic area

Name of Property: West Point Foundry Archeological Site (07942.00001)

County and State: Putnam County, New York

Name of Photographer: T. Arron Kotlensky

Photograph Date: November 14, 2016

Location of Original Photograph: Scenic Hudson Land Trust, Inc., Poughkeepsie, New York

Image File Name: NY_Putnam County_WPFAS_0012.tif

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Photo 0013: Overview of the Vinegar Hill domestic area

Name of Property: West Point Foundry Archeological Site (07942.00001)

County and State: Putnam County, New York

Name of Photographer: T. Arron Kotlensky

Photograph Date: November 14, 2016

Location of Original Photograph: Scenic Hudson Land Trust, Inc., Poughkeepsie, New York

Image File Name: NY_Putnam County_WPFAS_0013.tif

Photo 0014: Overview of the East Bank House foundation depression

Name of Property: West Point Foundry Archeological Site (07942.00001)

County and State: Putnam County, New York

Name of Photographer: T. Arron Kotlensky

Photograph Date: November 14, 2016

Location of Original Photograph: Scenic Hudson Land Trust, Inc., Poughkeepsie, New York

Image File Name: NY_Putnam County_WPFAS_0014.tif

Photo 0015: Overview of existing conditions at the site of the former Fort Pitt Foundry in Pittsburgh, Pennsylvania

Name of Property: N/A

County and State: Allegheny County, Pennsylvania

Name of Photographer: T. Arron Kotlensky

Photograph Date: October 4, 2016

Location of Original Photograph: Scenic Hudson Land Trust, Inc., Poughkeepsie, New York

Image File Name: NY_Putnam County_WPFAS_0015.tif

Photo 0016: Overview of existing conditions at the site of the former South Boston Iron Company in Boston, Massachusetts

Name of Property: N/A

County and State: Suffolk County, Massachusetts

Name of Photographer: Eric Metzger

Photograph Date: June 14, 2017

Location of Original Photograph: Scenic Hudson Land Trust, Inc., Poughkeepsie, New York

Image File Name: NY_Putnam County_WPFAS_0016.tif

Photo 0017: The 1865 Office Building, built by the West Point Foundry at the close of the Civil War

Name of Property: West Point Foundry Archeological Site (07942.00001)

County and State: Putnam County, New York

Name of Photographer: Donald Burden

Photograph Date: November 14, 2016

Location of Original Photograph: Scenic Hudson Land Trust, Inc., Poughkeepsie, New York

Image File Name: NY_Putnam County_WPFAS_0017.tif

Photo 0018: View from Foundry Dock Park towards Crow's Nest, on the opposite side of the Hudson River

Name of Property: West Point Foundry Archeological Site (07942.00001)

County and State: Putnam County, New York

Name of Photographer: T. Arron Kotlensky

Photograph Date: November 14, 2016

Location of Original Photograph: Scenic Hudson Land Trust, Inc., Poughkeepsie, New York

Image File Name: NY_Putnam County_WPFAS_0018.tif

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Maps and Figures

Map Number	Description of Map
1	Location of the proposed West Point Foundry Archeological Site National Historic Landmark as depicted on the West Point, N.Y. USGS 7.5-minute USGS topographic quadrangle
2	Existing conditions and setting of the proposed West Point Foundry Archeological Site National Historic Landmark, depicting activity areas and contributing structures and building
2a	Detail of existing conditions and setting of the proposed West Point Foundry Archeological Site National Historic Landmark, depicting activity areas, contributing structures and building, and locations and angles of figures
2b	Detail of existing conditions and setting of the proposed West Point Foundry Archeological Site National Historic Landmark, depicting activity areas, contributing structures and building, and locations and angles of figures
2c	Detail of existing conditions and setting of the proposed West Point Foundry Archeological Site National Historic Landmark, depicting activity areas, contributing structures and building, and locations and angles of figures
2d	Detail of existing conditions and setting of the proposed West Point Foundry Archeological Site National Historic Landmark, depicting activity areas, contributing structures and building, and locations and angles of figures
3	Detail from map of the West Point Foundry and adjacent Village of Cold Spring completed by John Bevan, ca. 1853-1859
4	Inset map of the Village of Cold Spring and West Point Foundry from Map of Putnam County, New-York (O'Connor 1854)
5	Detail from map of the Village of Cold Spring and the West Point Foundry in Atlas of New York and Vicinity (F.W. Beers 1867)

Figure Number	Description of Figure
1	Photo: Gouverneur Kemble (1786-1875), the chief organizer of the West Point Foundry and long-time supporter of the community of Cold Spring
2	Illustration: Sketch of the West Point Foundry dated November 16, 1832 by artist and architect Thomas Kelah Wharton (1814-1862)
3	Painting: <i>Blast Furnace at the West Point Foundry</i> (1865) by John Gadsby Chapman (1808-1889)
4	Photo: Period view of the West Point Foundry, taken from the northwestern shore of Constitution Island, shortly after completion of the two-story brick Office Building in 1865 (cupola visible at middle, right). Call-out annotations in upper-case match corresponding building labels depicted in Map 5
5	Photo: The turret of the USS Monitor taken after the Battle of Hampton Roads, March 8 and 9, 1862
6a	Photo: Port-side XI-inch Dahlgren gun removed from the recovered turret of the USS Monitor undergoing conservation at the Mariner's Museum in Newport News, Virginia. The muzzle of the same gun is visible in the period photograph above
6b	Photo: Detail of inscription on left side of the port-side gun breech: "WORDEN./MONITOR & MERRIMAC/W.P. No. 27". The commanding officer of the USS <i>Monitor</i> at the time of the Battle of Hampton Roads was Lieutenant John L. Worden, U.S. Navy, and "W.P." indicates that the gun was completed at the West Point Foundry
7	Photo: Robert P. Parrott (1804-1877), superintendent of the West Point Foundry after 1836 and later designer of field, naval, and siege ordnance that bore his name
8	Painting: <i>The Gun Foundry</i> (1854-1866) by John Ferguson Weir (1841-1926)
9	Photo: The muzzle face of a 3-inch (7.6-centimeter) caliber, 10-pounder (M1863) Parrott rifle, showing the riflings extending along the length of the bore
10	Photo: An interior view of the pattern-making shop, depicting its appearance during the period of the Civil War
11	Photo: An interior view of the machine shop and some of its workers during the Civil War period
12	Photo: An interior view of the blacksmith shop during the Civil War period
13	Photo: A 3.67-inch (9.3-centimeter) caliber, 20-pounder field Parrott gun, manned by a gun crew of the 1st Connecticut Artillery at Fort Richardson in Arlington Heights, Virginia during the Civil War
14	Photo: A 6.4-inch (16.3-centimeter) caliber, 100-pounder naval Parrott gun mounted aboard the side-wheel gunboat USS <i>Mendota</i>

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Figure Number	Description of Figure
15	Photo: A crew prepares to test a 10-inch (25.4-centimeter) caliber, 300-pounder Parrott gun mounted on the West Point Foundry's testing platform (photograph dated May 1, 1864)
16	Photo: A gun crew demonstrates the firing position of an 8-inch (20.3-centimeter) caliber, 200-pounder Parrott gun, mounted in Battery Chatfield and aimed at Fort Sumter in Charleston Harbor
17	Illustration: A later illustration of the steam locomotive <i>Best Friend of Charleston</i> , made by the West Point Foundry in 1830
18	Photo: Detail of sugar-crushing equipment built by the West Point Foundry in 1861 for the Hacienda Azucarera La Esperanza in Manatí, Puerto Rico
19	Elevation drawing: Elevation drawing prepared by the Historic American Engineering Record (HAER) of the steam engine made by the West Point Foundry for the Hacienda Azucarera La Esperanza
20	Photo: An undated view of the intact 36-foot (11-meter) diameter backshot waterwheel within the boring mill
21	Painting: <i>Forging the Shaft</i> (1874-1877) by John Ferguson Weir (1841-1926)

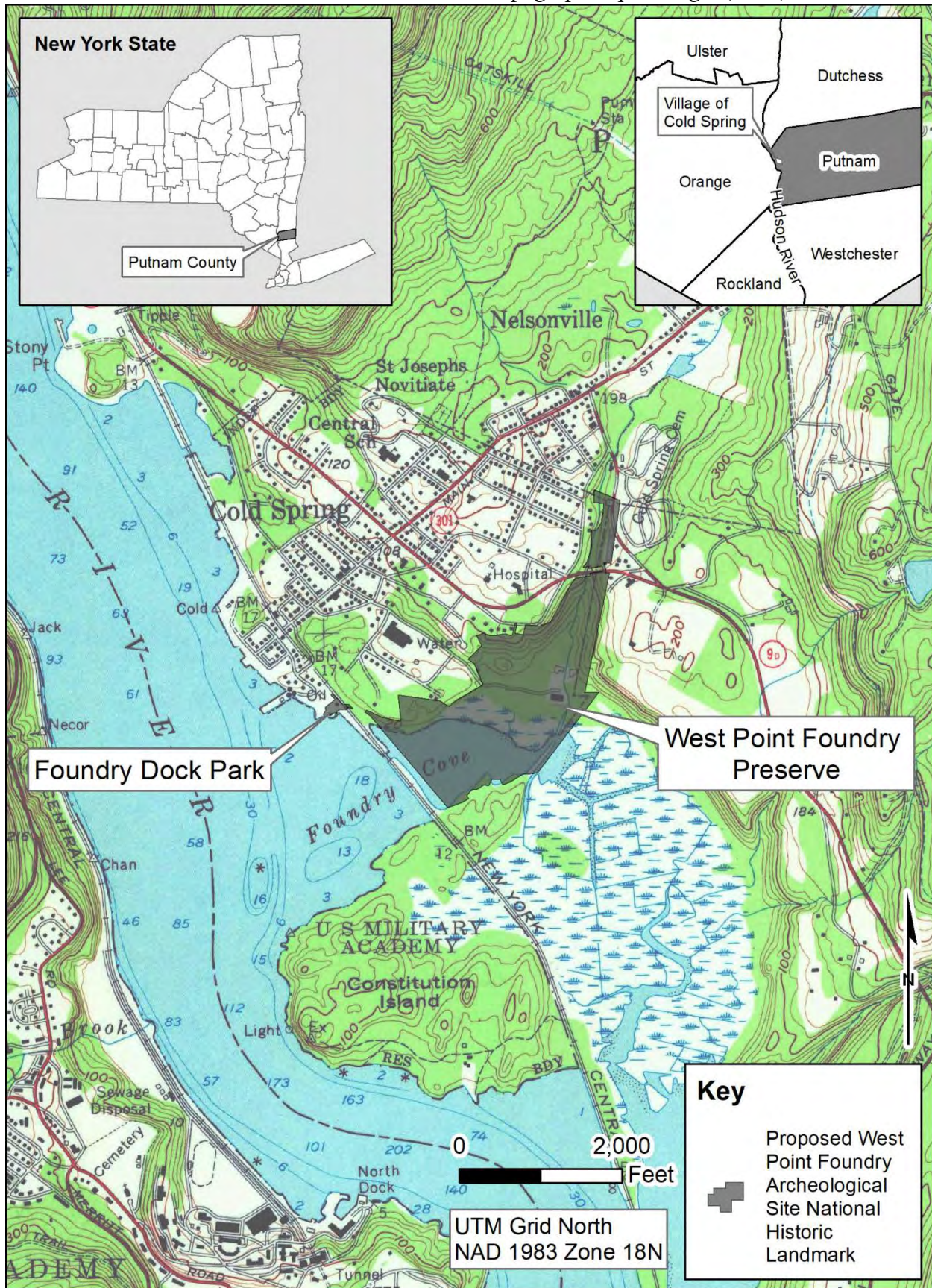
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Map 1. Location of the proposed West Point Foundry Archeological Site National Historic Landmark as depicted on the *West Point, N.Y.* USGS 7.5-minute USGS topographic quadrangle (1957).



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National Historic Landmarks**Property Name: WEST POINT FOUNDRY ARCHEOLOGICAL SITE**

PAGES REMOVED**Map Number:** 2, 2a-2d

Some information about this property is restricted under law:

National Historic Preservation Act of 1966, as amended, section 304, 16 U.S.C. 470w-3(a)

- *Confidentiality of the location of sensitive historic resources*

Section 304

[16 U.S.C. 470w-3(a) – Confidentiality of the location of sensitive historic resources]

(a) The head of a Federal agency or other public official receiving grant assistance pursuant to this Act, after consultation with the Secretary, shall withhold from disclosure to the public, information about the location, character, or ownership of a historic resource if the Secretary and the agency determine that disclosure may –

- (1) cause a significant invasion of privacy;
- (2) risk harm to the historic resources; or
- (3) impede the use of a traditional religious site by practitioners.

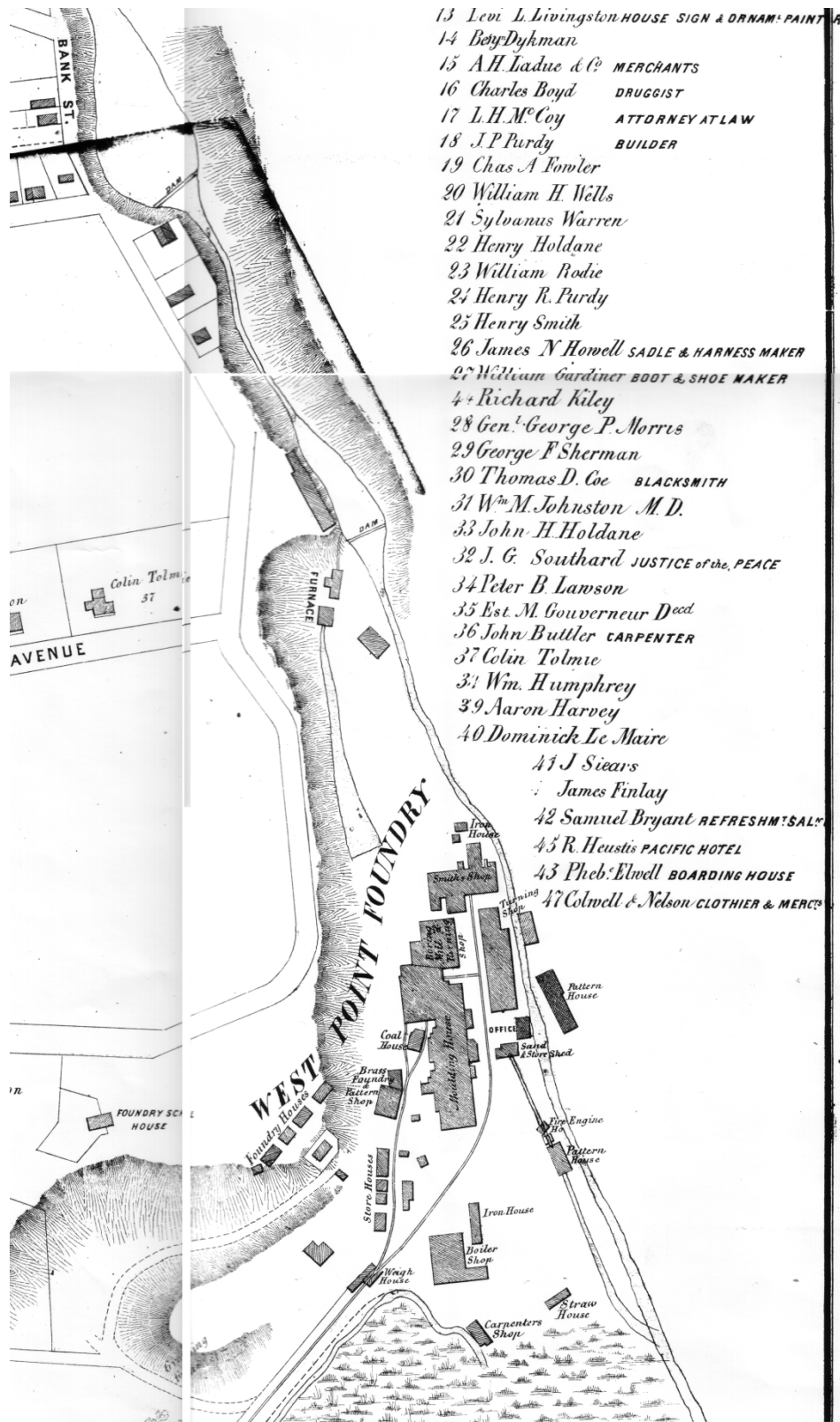
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Map 3. Detail from map of the West Point Foundry and adjacent Village of Cold Spring completed by John Bevan, ca. 1853–1859. Courtesy of Putnam History Museum. Used with permission.



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Map 4. Inset map of the Village of Cold Spring and West Point Foundry from *Map of Putnam County, New-York* (O'Connor 1854). Dwellings are clearly depicted within *Vinnegar* (sic) Hill and Mount Rascal areas, as well as a T-shaped plan of the East Bank House, immediately east of the West Point Foundry.



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Map 5. Detail from map of the Village of Cold Spring and the West Point Foundry in *Atlas of New York and Vicinity* (F. W. Beers 1867). Many of the buildings and structures depicted in the map are annotated in the period photograph featured in Figure 4.



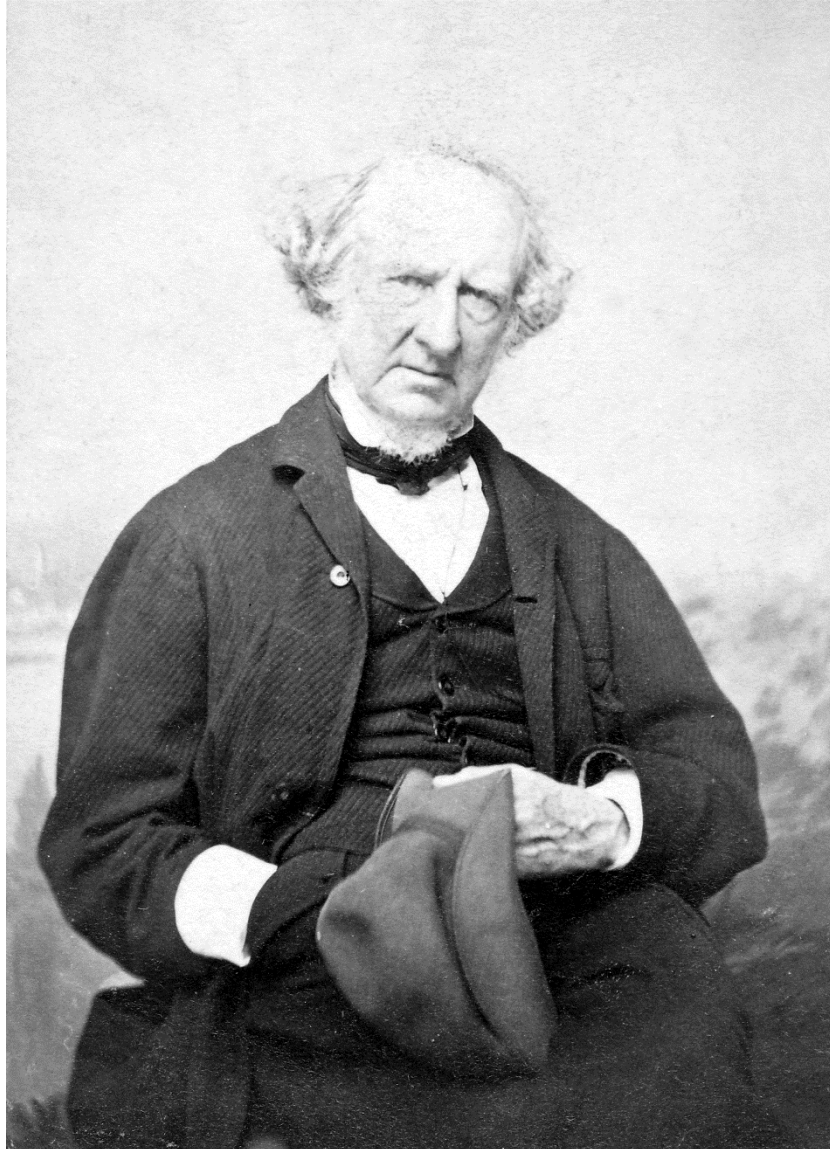
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Figure 1. Gouverneur Kemble (1786–1875), the chief organizer of the West Point Foundry and long-time supporter of the community of Cold Spring. Courtesy of Putnam History Museum. Used with permission.



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Figure 2. Sketch of the West Point Foundry dated November 16, 1832, by artist and architect Thomas Kelah Wharton (1814–1862). Courtesy of New York Public Library, Archives and Manuscripts. Used with permission.



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Figure 3. *Blast Furnace at the West Point Foundry* (1865), an artistic interpretation of the Foundry's Cold Spring blast furnace by John Gadsby Chapman (1808–1889). Oil on panel. Courtesy of Putnam History Museum. Used with permission.



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Figure 4. Period photograph of the West Point Foundry, taken from the northwestern shore of Constitution Island, shortly after completion of the two-story brick Office Building in 1865 (cupola visible at middle, right). Call-out annotations in upper-case match corresponding building labels depicted in Map 5. Courtesy of Putnam History Museum. Used with permission.



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Figure 5. Period photograph featuring the turret of the USS *Monitor* taken after the Battle of Hampton Roads, March 8 and 9, 1862. Courtesy of Putnam History Museum. Used with permission.



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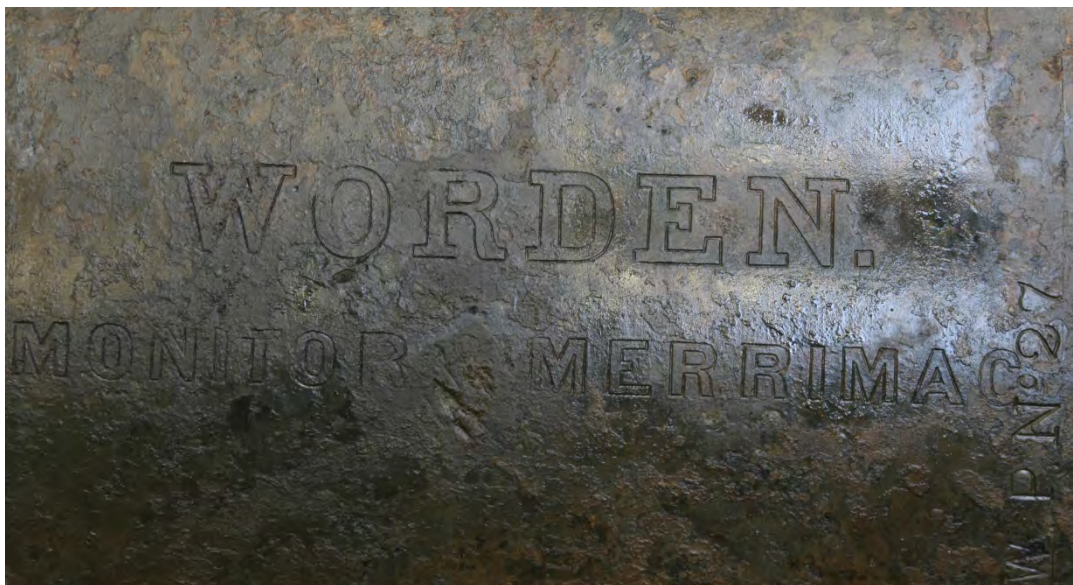
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Figures 6a and 6b. Top, port-side XI-inch Dahlgren gun removed from the recovered turret of the USS *Monitor* undergoing conservation at the Mariner's Museum in Newport News, Virginia. The muzzle of the same gun is visible in the period photograph featured in Figure 5. Courtesy of Mariner's Museum, Monitor Center. Used with permission.

Bottom, detail of inscription on left side of the port-side gun breech:
“WORDEN./MONITOR & MERRIMAC/W.P. No. 27”. The commanding officer of the USS *Monitor* at the time of the Battle of Hampton Roads was Lieutenant John L. Worden, US Navy, and “W.P.” indicates that the gun was completed at the West Point Foundry. Courtesy of Mariner's Museum, Monitor Center. Used with permission.



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Figure 7. Robert P. Parrott (1804–1877), superintendent of the West Point Foundry after 1836 and later designer of field, naval, and siege ordnance that bore his name. Courtesy of Putnam History Museum. Used with permission.



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Figure 8. *The Gun Foundry* (1854–1866) by John Ferguson Weir (1841–1926). In this painting, Weir depicts the casting of a cannon within the West Point Foundry's original moulding shop. In the background, two air furnaces flank the large round chimney, while a jib crane suspends the casting ladle. Gouverneur Kemble and Robert Parrott are depicted to the right. Oil on canvas. Courtesy of Putnam History Museum. Used with permission.



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Figure 9. The muzzle face of a 3-inch (7.6-centimeter) caliber, 10-pounder (M1863) Parrott rifle, showing the riflings extending along the length of the bore. The inscription “D.W.F.” indicates that the gun was inspected by Daniel Webster Flagler (1835–1899), the US Army’s ordnance inspecting officer assigned to the West Point Foundry from October 1863 to May 1864. The gun is on display at the Putnam History Museum. NB: the original painting of John Ferguson Weir’s *The Gun Foundry* is visible in the background. Photograph by Mark Forlow.



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Figure 10. An interior view of the pattern-making shop, depicting its appearance during the period of the Civil War. Note the absence of powered woodworking machinery or overhead power transmission shafting in this bay of the building. Courtesy of Putnam History Museum. Used with permission.



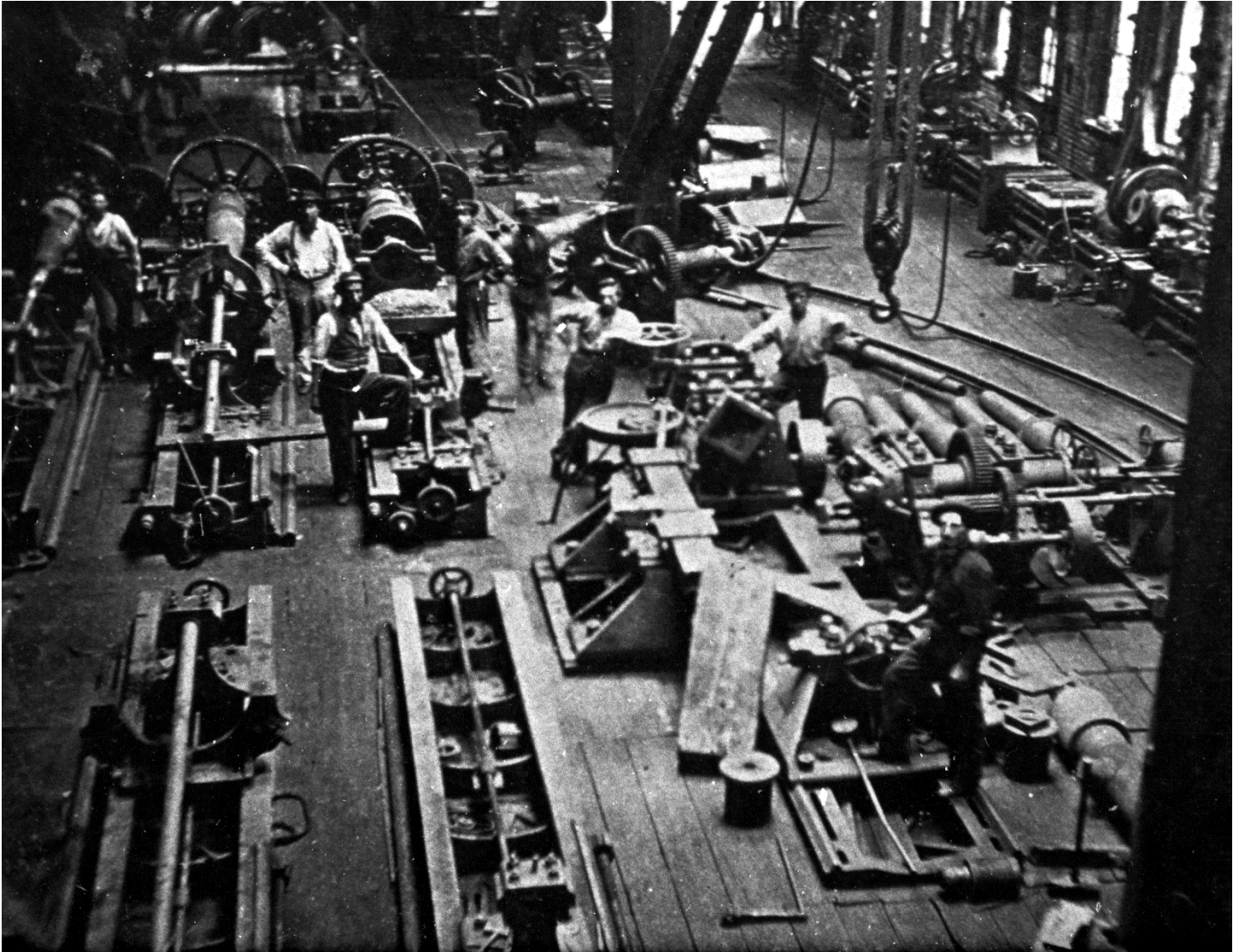
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Figure 11. An interior view of the machine shop and some of its workers during the Civil War period, with at least two Parrott guns mounted on boring beds in the background. The jib crane visible in the background was used to transfer ordnance pieces between railcars and the boring beds. Courtesy of Putnam History Museum. Used with permission.



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Figure 12. An interior view of the blacksmith shop during the Civil War period. Note the finished Parrott gun breech band on the floor in the foreground and three large steam hammers in the background. The largest of the three steam hammers is likely depicted in John Ferguson Weir's painting *Forging the Shaft* (see Figure 21). Courtesy of Putnam History Museum. Used with permission.



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Figure 13. A 3.67-inch (9.3-centimeter) caliber, 20-pounder field Parrott gun, manned by a gun crew of the 1st Connecticut Artillery at Fort Richardson in Arlington Heights, Virginia, during the Civil War. Courtesy of Library of Congress, Prints and Photographs Online Catalog - Civil War.

